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BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work: Improvements to C C road & drain at 7th & 15th Cross and Other Cross road in Bagalagunte Main road ward No 14 Bagalagunte

						Est. Cost Rs	20.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Ordinary** soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 PW, P & IWTD -SR 2016-17)								
	for road	Cum	2	85.00	0.80	0.80	108.80		
			1	100.00	1.50	0.30	45.00		
							153.80	86.92	13368.00
	Basic Rate	82.00							
	Add Area Weightage 6%	4.92							
	Total	86.92							
2	Providing, laying, spreading and compacting graded stone aggregates to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2016-17, P.No.158, I No.20.18)								
	Roads	Cum.	1	100.00	1.50	0.23	34.50	1768.08	60999.00
	Basic Rate	1668.00							
	Add Area Weightage 6%	100.08							
	Total	1768.08							
3	KSRB 4-1.3: Providing and laying in position **plain cement concrete** of mix 1:4:8 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2016-17)								
	For Road	Cum	1	85.00	0.80	0.15	10.20		
			1	100.00	1.50	0.15	22.50		
	Basic Rate	4867.00					32.70	5159.02	168700.00
	Add Area Weightage 6%	292.02							
	Total	5159.02							

4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications, Specification NO KBS 4.6.2 Page No 15/ Item No 4.31/PWD SR 2016-17								
		Sqm	8	85.00	0.75		510.00		
	Basic Rate	293.00					510.00	310.58	158396.00
	Add Area Weightage 6%	17.58							
	Total	310.58							
5	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M1:2:4 with cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2016-17)								
		Cum	4	85.00	0.15	0.75	38.25		
			2	85.00	0.75	0.10	12.75		
	Basic Rate	5441.00					51.00	5767.46	294140.00
	Add Area Weightage 6%	326.46							
	Total	5767.46							
6	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 ReaffirmecF2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.43cum) ((P.No.177, I.No.22.6.1 of PW,P&IWTD SR 2016-17)								
		Cum	1	100.00	5.00	0.15	75.00		
							75.00	6217.96	466347.00
	Basic Rate	5866.00							
	Add Area Weightage 6%	351.96							
	Total	6217.96							

7	KSRRB M2200-6. Supplying, fitting and placing TMT bar Fe 500 reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.225 - I. No.28.8.2]								
	10mm dia bars @ 100mm c/c	Tonne	2X25	85.00	4250.00	0.62	2635.00		
	2*80/.01=1600		1700	2.10	3570.00	0.62	2213.40		
							4848.40		
						Say	4.85	66482.14	322332.00
	Basic Rate	62719.00							
	Add 6% A.W	3763.14							
	TOTAL	66482.14							
8	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost. transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
		Sqm	2	85.00	0.75		127.50		
	Data Rates Approved by CE DZ enclosed						127.50	1698.00	216495.00
9	Providing groove cutting to concrete pavement for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant, etc., including cleaning of grove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all amterials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(P.No.178, I.No.22.8.1 of PW, P&IWTD SR 2016-17)								
		mtr	59	5.50			324.50		
	Basic Rate	115.00					324.50	121.90	39557.00
	Add Area Weightage 6%	6.90					.		
	Total	121.90							
10	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and lift PWD SR 2016-17[P.No.177 -I.No.22.7]								
		Sqm	100	5.00			500.00		
							500.00	95.40	47700.00
	Basic Rate	90.00							
	Add Area Weightage 6%	5.40							
	Total	95.40							

11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2016-17								
		Cum	Qty Vide Item No. 1				153.80	85.65	13173.00
	Loading and Unloading Charges	68.00							
	Lead 4 KMs 2.5x1.28x4	12.80							
		80.80							
	Add Area Weightage 6%	4.85							
	Total	85.65							
							Sub Total		1801207.00
12	GST, KRIDL & Labour cess Charges 7+3+1=11%								198133.00
13	Miscellaneous								660.00
								Total	2000000.00

Rupees Twenty Lakhs Only

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2016-17
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

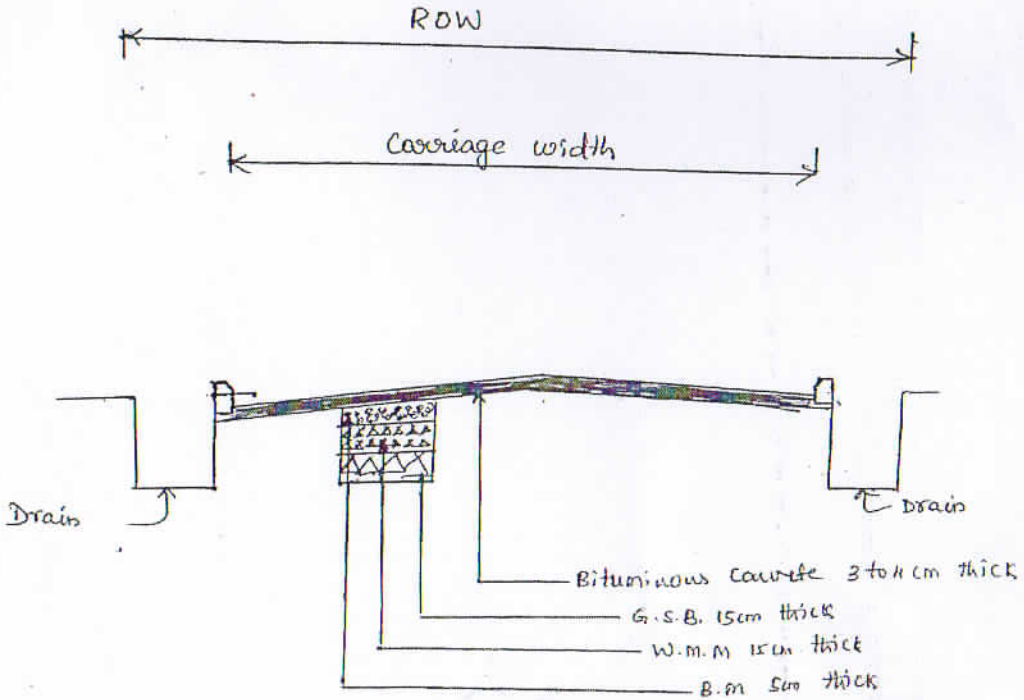
Assistant Engineer
Ward No 14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ಸಂ. EE/DD/AS/63/17-18 ದಿನಾಂಕ: 21-12-17
ರೂ. [Rs 20.00 lakhs] rupees Twenty lakhs only
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂ. EE/DD/TS/440/17-18 ದಿನಾಂಕ: 21-12-17
ರೂ. [Rs 20.00 lakhs] Twenty lakhs only
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು



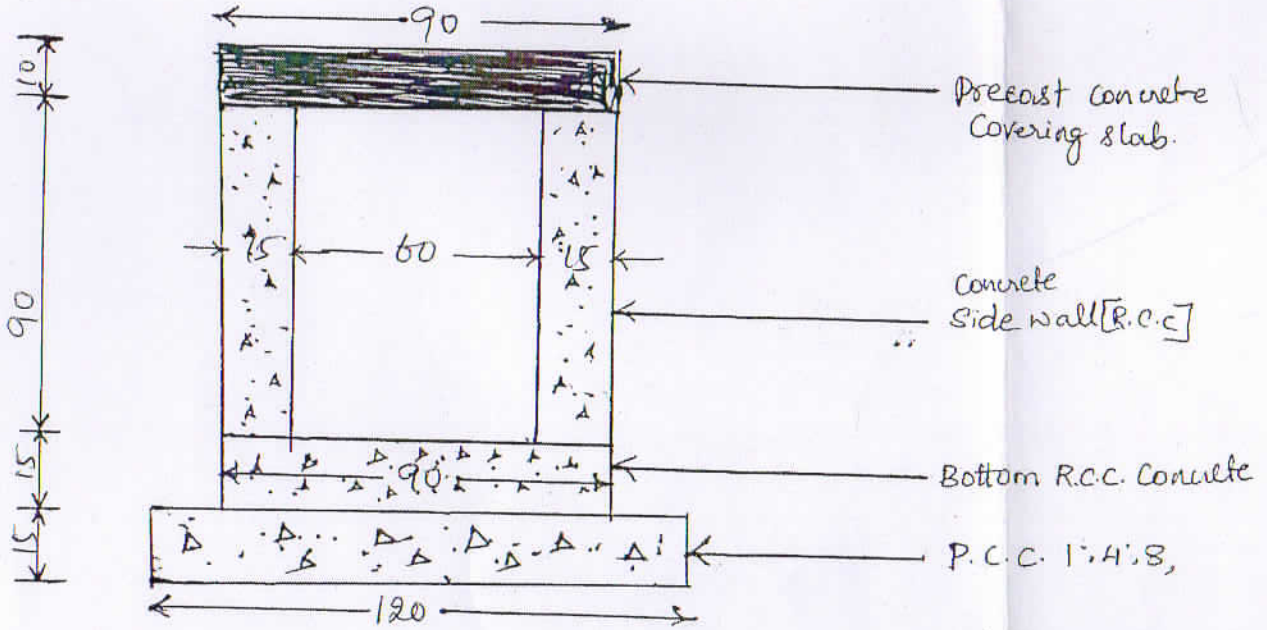
Road - crossection

Assistant Engineer
Ward No. 19

Executive Engineer
Sub Division

Scanned by CamScanner

Name of Work:



Drain - Crossection

Note:-
1) All Dimensions are in Centimetres
2) Sketch is not to Scale

Assistant Engineer

Ward No. 14

Assistant Executive Engineer

T. Basavakalli Sub Division